

Serial No. 09/963,530  
Docket No.: NEC-469-US  
IGA.023

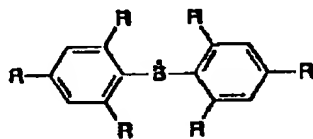
2

**AMENDMENTS TO THE CLAIMS:**

Please cancel claims 2, 6-8, 22 and 23 without prejudice or disclaimer, and amend the claims as follows:

1. (Currently Amended) A secondary battery comprising:

- a positive electrode;
  - a negative electrode; and
  - an electrolyte disposed between said positive electrode and said negative electrode,
- wherein an active material of one of said positive electrode and said negative electrode comprises a compound having boron radicals, and
- ~~wherein said compound has a spin concentration of higher than  $10^{21}$  spins/g~~
- wherein said compound having said boron radicals is represented by the following structural formula:



wherein each R represents one of a hydrogen atom, a substituted hydrocarbon group and a non-substituted hydrocarbon group.

2. (Canceled)

3. (Currently Amended) ~~The secondary battery as set forth in claim 2;~~ A secondary battery comprising:

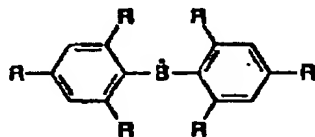
a positive electrode;

Serial No. 09/963,530

Docket No.: NEC-469-US

IGA.023

a negative electrode; and  
an electrolyte disposed between said positive electrode and said negative electrode,  
wherein an active material of one of said positive electrode and said negative  
electrode comprises a compound having boron radicals,  
wherein an active material of the other one of said positive electrode and said negative  
electrode comprises one of a transition metal oxide, a compound having a sulfur-sulfur bond  
and a conductive polymer compound, and  
wherein said compound has a spin concentration of higher than  $10^{21}$  spins/g,  
wherein said compound having said boron radicals comprises at least one of an  
aromatic group and an alkyl group combined with said boron radicals, and  
wherein said compound having said boron radicals is represented by the following  
structural formula:



wherein each R represents one of a hydrogen atom, a substituted hydrocarbon group  
and a non-substituted hydrocarbon group.

4. (Currently Amended) ~~The secondary battery as set forth in claim 2;~~ A secondary battery  
comprising:

a positive electrode;  
a negative electrode; and  
an electrolyte disposed between said positive electrode and said negative electrode,  
wherein an active material of one of said positive electrode and said negative  
electrode comprises a compound having boron radicals.

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Serial No. 09/963,530  
 Docket No.: NEC-469-US  
 IGA.023

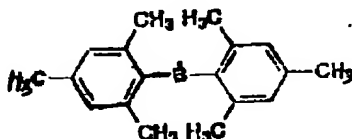
4

wherein an active material of the other one of said positive electrode and said negative electrode comprises one of a transition metal oxide, a compound having a sulfur-sulfur bond and a conductive polymer compound, and

wherein said compound has a spin concentration of higher than  $10^{21}$  spins/g,

wherein said compound having said boron radicals comprises at least one of an aromatic group and an alkyl group combined with said boron radicals, and

wherein said compound having said boron radicals is represented by the following structural formula:



5-23. (Canceled)

24. (Previously Presented) A secondary battery comprising:

a positive electrode;

a negative electrode; and

an electrolyte disposed between said positive and said negative electrode,

wherein an active material of one of said positive electrode and said negative electrode comprises a compound represented by the following structural formula:

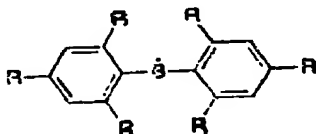


25-26. (Canceled)

Serial No. 09/963,530  
Docket No.: NEC-469-US  
IGA.023

5

27. (Previously Presented) The secondary battery as set forth in claim 24, wherein said compound has a spin concentration of higher than  $10^{21}$  spins/g.
28. (Previously Presented) The secondary battery as set forth in claim 24, wherein said compound comprises two different radical compounds.
29. (Previously Presented) The secondary battery as set forth in claim 24, wherein said compound is combined with a non-radical compound.
30. (Previously Presented) The secondary battery as set forth in claim 24, wherein said active material of said negative electrode comprises said compound, and  
where said active material of said positive electrode comprises one of a transition metal oxide, a compound having a sulfur-sulfur bond and a conductive polymer compound.
31. (Previously Presented) The secondary battery as set forth in claim 24, wherein said active material of said positive electrode comprises said compound, and  
where said active material of said negative electrode comprises one of a transition metal oxide, a compound having a sulfur-sulfur bond and a conductive polymer compound.
32. (Previously Presented) A secondary battery comprising:  
a positive electrode;  
a negative electrode; and  
an electrolyte disposed between said positive electrode and said negative electrode,  
wherein active material of one of said positive electrode and said negative electrode comprises a compound having boron radicals, and  
wherein said compound is represented by the following structural formula:



Serial No. 09/963,530  
Docket No.: NEC-469-US  
IGA.023

6

wherein each R represents one of a hydrogen atom, a substituted hydrocarbon group and a non-substituted hydrocarbon group.

33. (Currently Amended) A secondary battery comprising:  
a positive electrode;  
a negative electrode; and  
an electrolyte disposed between said positive electrode and said negative electrode,  
wherein active material of one of said positive electrode and said negative electrode  
comprises a compound having boron radicals, and  
wherein said compound is represented by the following structural formula:

